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(54) Title: COATED IMPLANTS, THEIR MANUFACTURING AND USE THEREOF

(57) **Abstract:** The present invention relates to a method of coating of a device, preferably implants, with a substance comprising the steps of (a) contacting said device into a solution of said substrate or substance, and (b) drying said device while being submerged in said solution. The present invention also relates to a packaging container for a device, preferably an implant. Said packaging container being adapted such that said device is coatable within said packaging container. Moreover, the present invention relates to a method of coating the inner surfaces of a packaging container for a device, preferably implants, to be coated by a substance, comprising the steps of (a) siliconizing said inner surfaces of said container using a silicone emulsion, and (b) heat-curing to form a baked-in silicone layer on said inner surfaces of said container. Moreover said packaging container relates to the use of said method of coating a packaging container for improving and/or controlling the distribution coefficient of the substance to be coated on said device between said container and said device. Furthermore, the present invention encompasses a coated device, preferably an implant, obtainable by a method according to the present invention. The present invention also relates to the use of said method of coating devices for improving the homogeneous distribution of the coating on the device. Finally, the present invention relates to the use of said method of coating a packaging container for improving and/or controlling the distribution coefficient of the substance to be coated on said device between said container and said device.

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